

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

10310500 CLEAR CREEK NEAR CARSON CITY, NV

LOCATION.--Lat 39°06'48", long 119°47'50" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec. 01, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, on left bank, 3 mi upstream from mouth, and 3.5 mi southwest of Carson City.

DRAINAGE AREA.--15.5 mi².

PERIOD OF RECORD.--March 1948 to September 1962, occasional low-flow measurements, water years 1963-1988, and annual maximum, water years 1963-1981, January 1989 to current year.

GAGE.--Water-stage recorder and sharp crested weir. Elevation of gage is 5,000 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. [See schematic diagram of Carson River Basin, Upper Carson River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 266 ft³/s, January 2, 1997, gage height, 3.94 ft; minimum daily, 0.42 ft³/s, August 3, 1992.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8.0 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
December 24	1715	*12	1.58	February 16	1815	10	1.53

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.7	3.3	4.4	4.3	5.4	5.4	3.7	2.5	2.0	1.7	1.3
2	1.9	2.6	3.3	4.4	4.5	5.3	5.1	3.7	2.3	2.0	1.8	1.4
3	1.9	2.8	3.3	3.9	4.4	5.2	5.2	3.7	2.3	2.0	1.8	1.5
4	1.9	2.7	3.3	3.6	4.3	5.4	5.4	3.8	2.2	1.9	1.8	1.6
5	1.9	2.7	3.5	3.0	4.2	5.5	5.1	3.6	1.9	1.9	1.8	1.5
6	1.9	2.7	e3.5	3.4	4.4	5.8	4.6	3.5	2.2	1.8	1.8	1.4
7	2.0	2.9	e3.6	4.3	4.4	5.6	4.3	3.4	2.2	1.8	1.8	1.4
8	1.9	2.9	e3.7	4.7	4.3	5.6	4.4	3.3	2.0	1.9	1.8	1.4
9	2.0	3.5	3.8	4.5	4.2	5.8	4.4	3.3	2.2	1.9	1.7	1.3
10	2.0	3.3	4.1	4.5	4.2	6.2	4.3	3.4	2.2	1.8	1.7	1.5
11	2.0	2.9	4.0	4.5	4.2	6.0	4.1	3.7	2.1	1.9	1.7	1.5
12	2.0	2.9	3.9	4.4	4.2	5.8	4.0	3.6	2.0	1.9	1.7	1.5
13	2.0	2.9	4.8	4.5	4.2	6.0	4.0	3.5	1.9	1.7	1.7	1.5
14	2.1	3.0	4.6	4.5	4.2	6.2	4.0	3.3	1.9	1.7	1.7	1.5
15	2.0	3.2	4.1	4.6	4.3	6.7	3.9	3.1	1.9	1.8	1.7	1.4
16	2.0	3.3	4.0	4.5	6.1	7.1	3.9	3.1	1.8	1.8	1.8	1.4
17	2.1	3.2	3.9	4.4	6.1	7.6	3.9	3.0	2.0	1.8	1.9	1.5
18	2.1	3.1	3.9	4.4	6.7	8.0	3.8	2.8	2.2	1.8	1.8	1.5
19	2.0	3.1	4.1	4.3	5.5	8.0	4.1	3.4	2.2	1.8	1.8	1.7
20	2.0	3.2	4.5	4.4	5.2	6.9	4.1	3.3	2.1	1.8	1.8	1.9
21	2.1	3.2	4.7	4.3	5.1	6.9	4.0	3.1	2.1	1.8	1.7	1.9
22	2.1	3.2	4.2	4.3	5.0	6.9	3.9	3.0	2.1	1.8	1.6	1.8
23	2.1	3.4	4.1	4.3	4.9	7.0	3.8	2.9	2.0	1.7	1.7	1.7
24	2.2	3.2	6.6	4.4	4.8	6.4	3.8	2.9	2.0	1.7	1.7	1.6
25	2.3	3.2	5.5	4.2	5.6	6.1	3.8	2.8	2.0	1.7	1.6	1.6
26	2.2	3.2	4.6	4.2	5.7	6.1	3.6	2.6	2.0	1.8	1.6	1.6
27	2.1	3.2	e4.5	4.3	5.4	5.6	3.7	2.5	2.0	1.8	1.7	1.6
28	2.2	3.3	e4.5	4.3	5.2	5.2	3.7	3.8	1.8	1.7	1.6	1.6
29	2.2	3.3	4.5	4.3	5.3	5.1	3.6	3.2	1.9	1.7	1.6	1.7
30	2.3	3.4	4.4	4.5	---	5.4	3.6	2.9	2.0	1.8	1.6	1.8
31	2.5	---	4.3	4.3	---	5.4	---	2.5	---	1.7	1.4	---
TOTAL	63.8	92.2	129.1	132.6	140.9	190.2	125.5	100.4	62.0	56.2	53.1	46.6
MEAN	2.06	3.07	4.16	4.28	4.86	6.14	4.18	3.24	2.07	1.81	1.71	1.55
MAX	2.5	3.5	6.6	4.7	6.7	8.0	5.4	3.8	2.5	2.0	1.9	1.9
MIN	1.8	2.6	3.3	3.0	4.2	5.1	3.6	2.5	1.8	1.7	1.4	1.3
AC-FT	127	183	256	263	279	377	249	199	123	111	105	92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	3.02	4.37	5.55	6.96	7.12	8.11	9.01	8.10	5.07	3.02	2.39	2.44
MAX	6.54	11.2	15.3	36.3	16.4	19.3	30.9	26.8	15.5	8.09	6.01	5.77
(WY)	(1953)	(1951)	(1951)	(1997)	(1997)	(1997)	(1952)	(1952)	(1998)	(1952)	(1997)	(1997)
MIN	1.31	1.89	2.31	2.13	3.24	3.36	2.80	1.39	1.12	0.75	0.67	1.00
(WY)	(1995)	(1962)	(1962)	(1962)	(1991)	(1992)	(1992)	(1992)	(1994)	(1994)	(1994)	(1994)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	1,334.3		1,192.6			
ANNUAL MEAN	3.66		3.26		5.47	
HIGHEST ANNUAL MEAN					13.4	
LOWEST ANNUAL MEAN					2.09	
HIGHEST DAILY MEAN	8.5	Jan 23	8.0	Mar 18	198	Jan 2, 1997
LOWEST DAILY MEAN	1.6	Aug 12	1.3	Sep 1	0.42	Aug 3, 1992
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 14	1.4	Sep 5	0.44	Aug 3, 1992
MAXIMUM PEAK FLOW			12	Dec 24	266	Jan 2, 1997
MAXIMUM PEAK STAGE			1.58	Dec 24	3.94	Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	2,650		2,370		3,960	
10 PERCENT EXCEEDS	5.4		5.4		11	
50 PERCENT EXCEEDS	3.4		3.2		4.2	
90 PERCENT EXCEEDS	1.8		1.7		1.6	

e Estimated